

Title (en)  
CUTTING INSERT

Title (de)  
SCHNEIDEINSATZ

Title (fr)  
PLAQUETTE DE COUPE

Publication  
**EP 1419025 A4 20071212 (EN)**

Application  
**EP 02761500 A 20020813**

Priority  
• US 0227158 W 20020813  
• US 93481101 A 20010822

Abstract (en)  
[origin: US2003039518A1] A cutting insert includes a generally polygonal body having minor flank faces, major flank faces, chip breaking faces, major cutting edges formed at the intersection of the first faces and the major flank faces, and minor cutting edges formed at the intersection of the first faces and the minor flank faces. The major cutting edges are generally orthogonal to each other such that each major cutting edge can be alternately exposed for use. In one embodiment, both the major and minor cutting edges are generally linear. In another embodiment, the major cutting edges are generally curvilinear and the minor cutting edges are generally linear.

IPC 1-7  
**B23B 27/04**; **B23P 15/28**

IPC 8 full level  
**B23B 27/04** (2006.01); **B23B 27/14** (2006.01)

CPC (source: EP US)  
**B23B 27/045** (2013.01 - EP US); **Y10T 407/2286** (2015.01 - EP US); **Y10T 407/25** (2015.01 - EP US)

Citation (search report)  
• [Y] US 4969779 A 19901113 - BARTEN ALEX [IL]  
• [Y] US 6146061 A 20001114 - LARSSON BERNT [SE]  
• [Y] US 5772366 A 19980630 - WIMAN JOERGEN [SE], et al  
• See references of WO 03018240A1

Designated contracting state (EPC)  
DE

DOCDB simple family (publication)  
**US 2003039518 A1 20030227**; **US 6648560 B2 20031118**; EP 1419025 A1 20040519; EP 1419025 A4 20071212; JP 2005525240 A 20050825; WO 03018240 A1 20030306

DOCDB simple family (application)  
**US 93481101 A 20010822**; EP 02761500 A 20020813; JP 2003522740 A 20020813; US 0227158 W 20020813